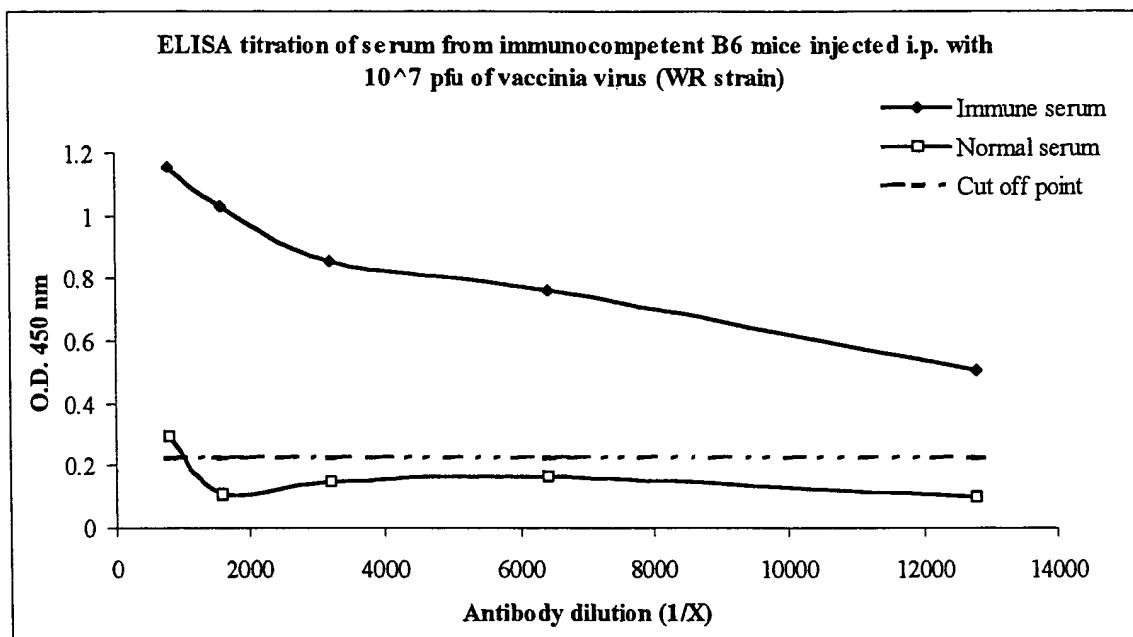


Fig 1



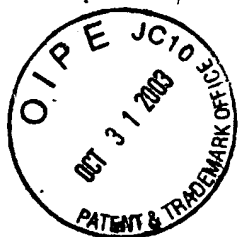
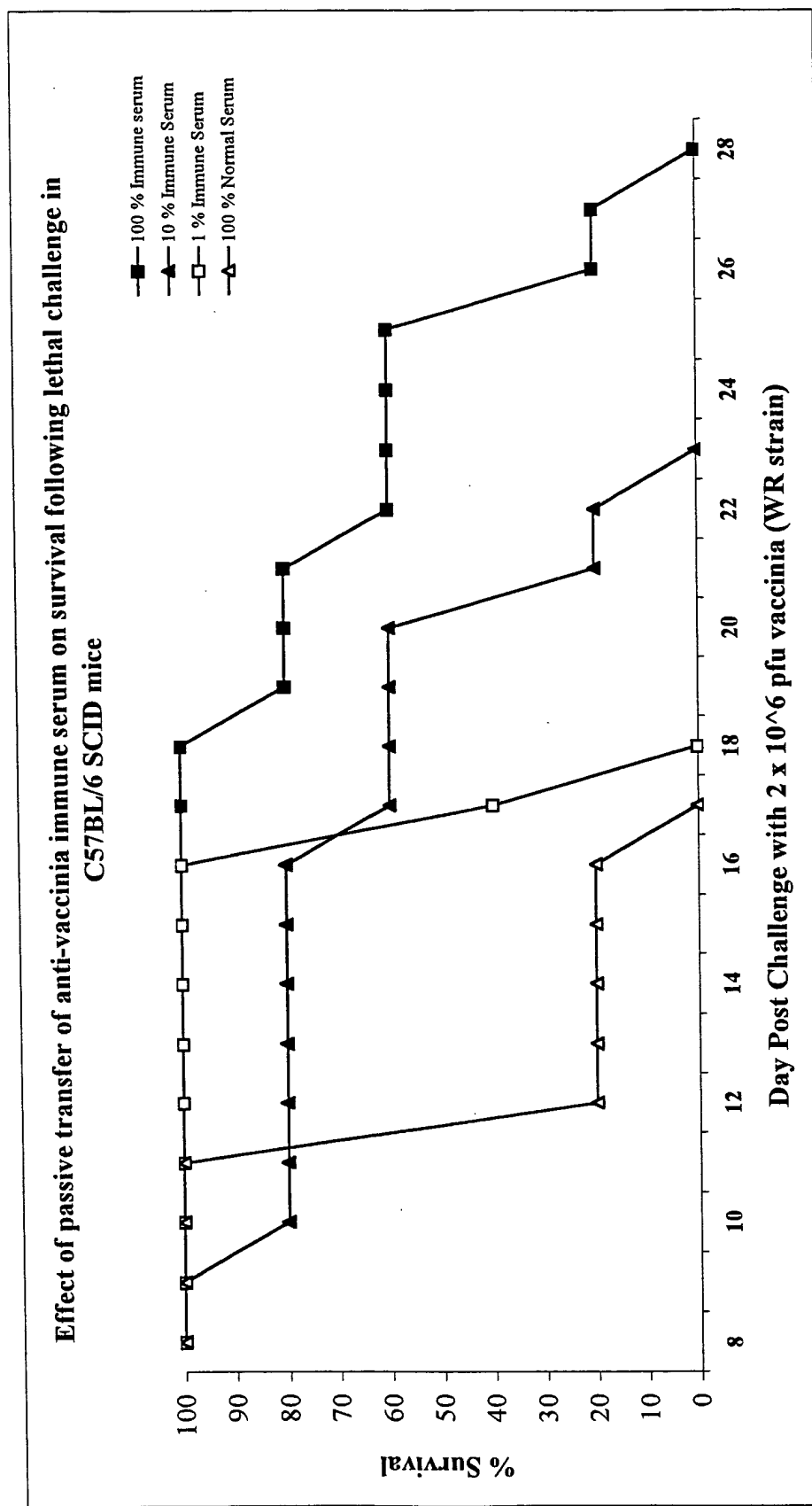
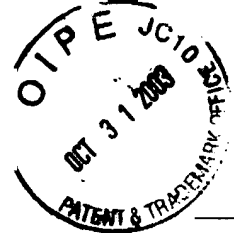


Fig. 2





L1R-M1Ralign

| | | Section 1 | | | | | | |
|--------------|-------|---|-----|-----|-----|-----|-----|-----|
| | | (1) | 1 | 10 | 20 | 30 | 40 | 54 |
| L1R-P07612 | (1) | MGAAASIQTTVNTLSEIRISSKLEQEANASAQTKCDIEIGNFYIRQNHGCNLTVK | | | | | | |
| L1R-AAA48076 | (1) | MGAAASIQTTVNTLSEIRISSKLEQEANASAQTKCDIEIGNFYIRQNHGCNLTVK | | | | | | |
| M1R-AAA60821 | (1) | MGAAASIQTTVNTLSEIRISSKLEQEANASAQTKCDIEIGNFYIRQNHGCNLTVK | | | | | | |
| M1R-P33040 | (1) | MGAAASIQTTVNTLSEIRISSKLEQEANASAQTKCDIEIGNFYIRQNHGCNLTVK | | | | | | |
| Consensus | (1) | MGAAASIQTTVNTLSEIRISSKLEQEANASAQTKCDIEIGNFYIRQNHGCNLTVK | | | | | | |
| | | Section 2 | | | | | | |
| | | (55) | 55 | 60 | 70 | 80 | 90 | 108 |
| L1R-P07612 | (55) | NMCSADADAQLDAVLSAATETYSGLTPEQKAYVPAMFTAALNIQTSVNTVVRDF | | | | | | |
| L1R-AAA48076 | (55) | NMCSADADAQLDAVLSAATETYSGLTPEQKAYVPAMFTAALNIQTSVNTVVRDF | | | | | | |
| M1R-AAA60821 | (55) | NMCSADADAQLDAVLSAATETYSGLTPEQKAYVPAMFTAALNIQTSVNTVVRDF | | | | | | |
| M1R-P33040 | (55) | NMCSADADAQLDAVLSAATETYSGLTPEQKAYVPAMFTAALNIQTSVNTVVRDF | | | | | | |
| Consensus | (55) | NMCSADADAQLDAVLSAATETYSGLTPEQKAYVPAMFTAALNIQTSVNTVVRDF | | | | | | |
| | | Section 3 | | | | | | |
| | | (109) | 109 | 120 | 130 | 140 | 150 | 162 |
| L1R-P07612 | (109) | ENYVKQTCNSSAVVDNKLKIQNVIIIDECYGAPGSPTNLEFINTGSSKGNCAIKA | | | | | | |
| L1R-AAA48076 | (109) | ENYVKQTCNSSAVVDNKLKIQNVIIIDECYGAPGSPTNLEFINTGSSKGNCAIKA | | | | | | |
| M1R-AAA60821 | (109) | ENYVKQTCNSSAVVDNKLKIQNVIIIDECYGAPGSPTNLEFINTGSSKGNCAIKA | | | | | | |
| M1R-P33040 | (109) | ENYVKQTCNSSAVVDNKLKIQNVIIIDECYGAPGSPTNLEFINTGSSKGNCAIKA | | | | | | |
| Consensus | (109) | ENYVKQTCNSSAVVDNKLKIQNVIIIDECYGAPGSPTNLEFINTGSSKGNCAIKA | | | | | | |
| | | Section 4 | | | | | | |
| | | (163) | 163 | 170 | 180 | 190 | 200 | 216 |
| L1R-P07612 | (163) | LMQLTTKATTQIAPRQVAGTGVQFYMIVIGVIIAALFMYAKRMLFTSTNDKI | | | | | | |
| L1R-AAA48076 | (163) | LMQLTTKATTQIAPRQVAGTGVQFYMIVIGVIIAALFMYAKRMLFTSTNDKI | | | | | | |
| M1R-AAA60821 | (163) | LMQLTTKATTQIAPRQVAGTGVQFYMIVIGVIIAALFMYAKRMLFTSTNDKI | | | | | | |
| M1R-P33040 | (163) | LMQLTTKATTQIAPRQVAGTGVQFYMIVIGVIIAALFMYAKRMLFTSTNDKI | | | | | | |
| Consensus | (163) | LMQLTTKATTQIAPRQVAGTGVQFYMIVIGVIIAALFMYAKRMLFTSTNDKI | | | | | | |
| | | Section 5 | | | | | | |
| | | (217) | 217 | 230 | 240 | 250 | | |
| L1R-P07612 | (217) | KLILANKENVHWTTYMDTFFRTSPMVIATTD MQN | | | | | | |
| L1R-AAA48076 | (217) | KLILANKENVHWTTYMDTFFRTSPMVIATTD MQN | | | | | | |
| M1R-AAA60821 | (217) | KLILANKENVHWTTYMDTFFRTSPMVIATTD IQN | | | | | | |
| M1R-P33040 | (217) | KLILANKENVHWTTYMDTFFRTSPMVIATTD IQN | | | | | | |
| Consensus | (217) | KLILANKENVHWTTYMDTFFRTSPMVIATTD MQN | | | | | | |

FIGURE 3.

| | | | | | | | | Section 1 |
|---------------|-------|--|----|----|----|----|-----|-----------|
| | (1) | 1 | 10 | 20 | 30 | 40 | 54 | |
| A27L-P11258 | (1) | MDGTLFPGDDDLAIPATEFFSTKAAKKPDRKREQIVKADEDDNEETLKQRLTNL | | | | | | |
| A27L-P20535 | (1) | MDGTLFPGDDDLAIPATEFFSTKADKKPEAKREAIVKADEDDNEETLKQRLTNL | | | | | | |
| A30L-P33816 | (1) | MDGTLFPGDDDLAIPATEFFSTKAAKKPEAKREAIVKADGDNNEETLKQRLTNL | | | | | | |
| A30L-AAA60882 | (1) | MDGTLFPGDDDLAIPATEFFSTKAAKKPEAKREAIVKADGDDNEETLKQRLTNL | | | | | | |
| Consensus | (1) | MDGTLFPGDDDLAIPATEFFSTKAAKKPEAKREAIVKADGDDNEETLKQRLTNL | | | | | | |
| | | | | | | | | Section 2 |
| | (55) | 55 | 60 | 70 | 80 | 90 | 108 | |
| A27L-P11258 | (55) | EKKITNVTTKFEQIEKCKRNDEVLFRLNHAETLRAAMISLAKKIDVQTGRRP | | | | | | |
| A27L-P20535 | (55) | EKKITNVTTKFEQIEKCKRNDEVLFRLNHAETLRAAMISLAKKIDVQTGRRP | | | | | | |
| A30L-P33816 | (55) | EKKITNVTTKFEQIEKCKRNDDVLFRLNHAETLRAAMISLAKKIDVQTGRRP | | | | | | |
| A30L-AAA60882 | (55) | EKKITNVTTKFEQIEKCKRNDDVLFRLNHAETLRAAMISLAKKIDVQTGRRP | | | | | | |
| Consensus | (55) | EKKITNVTTKFEQIEKCKRNDDVLFRLNHAETLRAAMISLAKKIDVQTGRRP | | | | | | |
| | | | | | | | | Section 3 |
| | (109) | 109 | | | | | | |
| A27L-P11258 | (109) | YE | | | | | | |
| A27L-P20535 | (109) | YE | | | | | | |
| A30L-P33816 | (109) | YE | | | | | | |
| A30L-AAA60882 | (109) | YE | | | | | | |
| Consensus | (109) | YE | | | | | | |

FIGURE 4



A33R-A36Ralign

| Section 1 | | | | | | | |
|---------------|-------|-----------------------------|-------------------------|----------------|-----------|-----|-----|
| | (1) | 1 | 10 | 20 | 30 | 40 | 54 |
| A33R-H42520 | (1) | MMTPENDEEQTSVFSATVYGD | KIQGKNKRKR | VIGLCIRISMVISL | LSMITMSAF | | |
| A33R-AAA48160 | (1) | MMTPENDEEQTSVFSATVYGD | KIQGKNKRKR | VIGLCIRISMVISL | LSMITMSAF | | |
| A36R-P33850 | (1) | MMTPENDEEQTSVFSATVYGD | KIQGKNKRKR | VIGLCIRISMVISL | LSMITMSAF | | |
| A36R-AAA60888 | (1) | MMTPENDEEQTSVFSATVYGD | KIQGKNKRKR | VIGLCIRISMVISL | LSMITMSAF | | |
| Consensus | (1) | MMTPENDEEQTSVFSATVYGD | KIQGKNKRKR | VIGLCIRISMVISL | LSMITMSAF | | |
| Section 2 | | | | | | | |
| | (55) | 55 | 60 | 70 | 80 | 90 | 108 |
| A33R-H42520 | (55) | LIVRLNQCMSANEAAITDAAVAVAAAS | STRKVASSTTQYDHKESCNG | LYYQGS | | | |
| A33R-AAA48160 | (55) | LIVRLNQCMSANEAAITDAAVAVAAAS | STRKVASSTTQYDHKESCNG | LYYQGS | | | |
| A36R-P33850 | (55) | LIVRLNQCMSANEAAITD-ATAVAAAL | STRKVASSTTQYKHQESCNG | LYYQGS | | | |
| A36R-AAA60888 | (55) | LIVRLNQCMSANEAAITD-ATAVAAAL | STRKVASSTTQYKHQESCNG | LYYQGS | | | |
| Consensus | (55) | LIVRLNQCMSANEAAITDAAVAVAAAS | STRKVASSTTQYKHQESCNG | LYYQGS | | | |
| Section 3 | | | | | | | |
| | (109) | 109 | 120 | 130 | 140 | 150 | 162 |
| A33R-H42520 | (109) | CYILHSDYQLFSDAKANCTAESSTLP | PNKSDVLTWLIDYVEDTWGSDGN | PITKT | | | |
| A33R-AAA48160 | (109) | CYILHSDYQLFSDAKANCTAESSTLP | PNKSDVLTWLIDYVEDTWGSDGN | PITKT | | | |
| A36R-P33850 | (108) | CYIFHSDYQLFSDAKANCATESSTLP | PNKSDVLTWLIDYVEDTWGSDGN | PITKT | | | |
| A36R-AAA60888 | (108) | CYIFHSDYQLFSDAKANCATESSTLP | PNKSDVLTWLIDYVEDTWGSDGN | PITKT | | | |
| Consensus | (109) | CYILHSDYQLFSDAKANCTESSTLP | PNKSDVLTWLIDYVEDTWGSDGN | PITKT | | | |
| Section 4 | | | | | | | |
| | (163) | 163 | 170 | 185 | | | |
| A33R-H42520 | (163) | TSDYQDSDVSQEV | RKYFCV | KTMN | | | |
| A33R-AAA48160 | (163) | TSDYQDSDVSQEV | RKYFCV | KTMN | | | |
| A36R-P33850 | (162) | TTDYQDSDVSQEV | RKYFCV | KTMN | | | |
| A36R-AAA60888 | (162) | TTDYQDSDVSQEV | RKYFCV | KTMN | | | |
| Consensus | (163) | TSDYQDSDVSQEV | RKYFCV | KTMN | | | |

FIGURE 5



| | | | | | | | Section 1 |
|--------------|-------|--|----------------------|---------|--------------|-----|-----------|
| | (1) | 1 | 10 | 20 | 30 | 40 | 55 |
| D8L-P04195 | (1) | MPQQLSPINIETKKAI | SNARLKPLDIHYNESKPTTI | QNTGKLV | RINFKGGYISGG | | |
| D8L-AAA48107 | (1) | MPQQLSPINIETKKAI | SNARLKPLDIHYNESKPTTI | QNTGKLV | RINFKGGYISGG | | |
| F8L-P33065 | (1) | MSQQLSPINIETKKAI | SNARLKPLNIHYNESKPTTI | QNTGKLV | RINFKGGYLSGG | | |
| F8L-AAA60846 | (1) | MSQQLSPINIETKKAI | SNARLKPLNIHYNESKPTTI | QNTGKLV | RINFKGGYLSGG | | |
| Consensus | (1) | MSQQLSPINIETKKAI | SNARLKPLNIHYNESKPTTI | QNTGKLV | RINFKGGYISGG | | |
| | | | | | | | Section 2 |
| | (56) | 56 | 70 | 80 | 90 | 100 | 110 |
| D8L-P04195 | (56) | FLPNEYVLSSLHIYWGKEDDYGSNHLIDVYKYSGEINLVHWNKKKYSSYEEAKKH | | | | | |
| D8L-AAA48107 | (56) | FLPNEYVLSSLHIYWGKEDDYGSNHLIDVYKYSGEINLVHWNKKKYSSYEEAKKH | | | | | |
| F8L-P33065 | (56) | FLPNEYVLSSLHIYWGKEDDYGSNHLIDVYKYSGEINLVHWNKKKYSSYEEAKKH | | | | | |
| F8L-AAA60846 | (56) | FLPNEYVLSSLHIYWGKEDDYGSNHLIDVYKYSGEINLVHWNKKKYSSYEEAKKH | | | | | |
| Consensus | (56) | FLPNEYVLSSLHIYWGKEDDYGSNHLIDVYKYSGEINLVHWNKKKYSSYEEAKKH | | | | | |
| | | | | | | | Section 3 |
| | (111) | 111 | 120 | 130 | 140 | 150 | 165 |
| D8L-P04195 | (111) | DDGLIIISIFLQVLDHKNVYFQKIVNQLDSIRSANTSAPFDSVFYLDNLLPSKLD | | | | | |
| D8L-AAA48107 | (111) | DDGLIIISIFLQVSDHKNVYFQKIVNQLDSIRSANTSAPFDSVFYLDNLLPSTLD | | | | | |
| F8L-P33065 | (111) | DDGLIIISIFLQVSDHKNVYFQKIVNQLDSIRTANTSAPFDSVFYLDNLLPSKLD | | | | | |
| F8L-AAA60846 | (111) | DDGLIIISIFLQVSDHKNVYFQKIVNQLDSIRTANTSAPFDSVFYLDNLLPSKLD | | | | | |
| Consensus | (111) | DDGLIIISIFLQVSDHKNVYFQKIVNQLDSIRSANTSAPFDSVFYLDNLLPSKLD | | | | | |
| | | | | | | | Section 4 |
| | (166) | 166 | 180 | 190 | 200 | 210 | 220 |
| D8L-P04195 | (166) | YFTYLGTTINHSADAVWIIFPTPINIHSDQLSKFRTLSSSNHDGKPHYITENYR | | | | | |
| D8L-AAA48107 | (166) | YFTYLGTTIKHSADAVWIIFPTPINIHSDQLSKFRTLSSSNHDGKPHYITENYR | | | | | |
| F8L-P33065 | (166) | YFKYLGTTINHSADAVWIIFPTPINIHSDQLSKFRTLSSSNHDGKPHYITENYR | | | | | |
| F8L-AAA60846 | (166) | YFKYLGTTINHSADAVWIIFPTPINIHSDQLSKFRTLSSSNHDGKPHYITENYR | | | | | |
| Consensus | (166) | YFTYLGTTINHSADAVWIIFPTPINIHSDQLSKFRTLSSSNHDGKPHYITENYR | | | | | |
| | | | | | | | Section 5 |
| | (221) | 221 | 230 | 240 | 250 | 260 | 275 |
| D8L-P04195 | (221) | NPYKLNDDTQVYYSGEIIIRAATTSPARENYFMRWLSDLRETCFSYYQKYIEENKT | | | | | |
| D8L-AAA48107 | (221) | NPYKLNDDTQVYYSGEIIIRAATTSPARENYFMRWLSDLRETCFSYYQKYIEGNT | | | | | |
| F8L-P33065 | (221) | NPYKLNDDTEVYYSGEIIIRAATTSPARENYFMRWLSDLRETCFSYYQKYIEGNT | | | | | |
| F8L-AAA60846 | (221) | NPYKLNDDTEVYYSGEIIIRAATTSPARENYFMRWLSDLRETCFSYYQKYIEGNT | | | | | |
| Consensus | (221) | NPYKLNDDTQVYYSGEIIIRAATTSPARENYFMRWLSDLRETCFSYYQKYIEGNT | | | | | |
| | | | | | | | Section 6 |
| | (276) | 276 | 290 | 304 | | | |
| D8L-P04195 | (276) | FAIIAIVFVFILTALFFMSRRYSREKQN | | | | | |
| D8L-AAA48107 | (276) | FAIIAIVFVFILTALFLMSRRYSREKQN | | | | | |
| F8L-P33065 | (276) | FAIIAIVFVYILTALFLMSRRYSREKQN | | | | | |
| F8L-AAA60846 | (276) | FAIIAIVFVYILTALFLMSRRYSREKQN | | | | | |
| Consensus | (276) | FAIIAIVFVFILTALFLMSRRYSREKQN | | | | | |

FIGURE 6



Section 1

| | (1) | 1 | 10 | 20 | 30 | 40 | 54 |
|---------------|-----|-----|-------------|--------------|-------------|----------|------------|
| B5R-JQ1799 | (1) | MKT | ISVVTLLCVLP | AVVYSTCTVPTM | NNAKLTSTETS | FNNDKQKV | TFTCDQGYHS |
| B5R-D42526 | (1) | MKT | ISVVTLLCVLP | AVVYSTCTVPTM | NNAKLTSTETS | FNNNQKV | TFTCDQGYHS |
| B7R-NP_042219 | (1) | MKT | ISVVTLLCVLP | AVVYSTCTVPTM | NNAKLTSTETS | FNNDKQKV | TFTCDSGYYS |
| B7R-CAA49116 | (1) | MKT | ISVVTLLCVLP | AVVYSTCTVPTM | NNAKLTSTETS | FNNDKQKV | TFTCDSGYYS |
| B7R-G36855 | (1) | MKT | ISVVTLLCVLP | AVVYSTCTVPTM | NNAKLTSTETS | FNNDKQKV | TFTCDSGYYS |
| B7R-2015436GX | (1) | MKT | ISVVTLLCVLP | AVVYSTCTVPTM | NNAKLTSTETS | FNNDKQKV | TFTCDSGYYS |
| Consensus | (1) | MKT | ISVVTLLCVLP | AVVYSTCTVPTM | NNAKLTSTETS | FNNDKQKV | TFTCDSGYYS |

Section 2

| | (55) | 55 | 60 | 70 | 80 | 90 | 108 |
|---------------|------|--------------|--------------|---------------|--------------|------|-----|
| B5R-JQ1799 | (55) | SDPNAVCETDKW | KYENPCKKMCTV | SDYISELYNKPLY | EVNSTMTLSCN | GETK | YF |
| B5R-D42526 | (55) | SDPNAVCETDKW | KYENPCKKMCTV | SDYISELYNKPLY | EVNSTMTLSCN | GETK | YF |
| B7R-NP_042219 | (55) | LDPNAVCETDKW | KYENPCKKMCTV | SDYVSELYNKPLY | EVNAITLICKDE | T | KYF |
| B7R-CAA49116 | (55) | LDPNAVCETDKW | KYENPCKKMCTV | SDYVSELYNKPLY | EVNAITLICKDE | T | KYF |
| B7R-G36855 | (55) | LDPNAVCETDKW | KYENPCKKMCTV | SDYVSELYNKPLY | EVNAITLICKDE | T | KYF |
| B7R-2015436GX | (55) | LDPNAVCETDKW | KYENPCKKMCTV | SDYVSELYNKPLY | EVNAITLICKDE | T | KYF |
| Consensus | (55) | LDPNAVCETDKW | KYENPCKKMCTV | SDYVSELYNKPLY | EVNAITLICKDE | T | KYF |

Section 3

| | (109) | 109 | 120 | 130 | 140 | 150 | 162 |
|---------------|-------|---------------|---------------|----------------|-----------|-------|-----|
| B5R-JQ1799 | (109) | RCEEKNGNTSWND | TVTCPNAECQPLQ | LEHGSQPVKEKYS | FGGYMTINC | DVGYE | |
| B5R-D42526 | (109) | RCEEKNGNTSWND | TVTCPNAECQPLQ | LEHGSQPVKEKYS | FGGYMTINC | DVGYE | |
| B7R-NP_042219 | (109) | RCEEKNGNTSWND | TVTCPNAECQSLQ | LDHGSCQPVKEKYS | FGGHITINC | DVGYE | |
| B7R-CAA49116 | (109) | RCEEKNGNTSWND | TVTCPNAECQSLQ | LDHGSCQPVKEKYS | FGGHITINC | DVGYE | |
| B7R-G36855 | (109) | RCEEKNGNTSWND | TVTCPNAECQSLQ | LDHGSCQPVKEKYS | FGGHITINC | DVGYE | |
| B7R-2015436GX | (109) | RCEEKNGNTSWND | TVTCPNAECQSLQ | LDHGSCQPVKEKYS | FGGHITINC | DVGYE | |
| Consensus | (109) | RCEEKNGNTSWND | TVTCPNAECQSLQ | LDHGSCQPVKEKYS | FGGHITINC | DVGYE | |

Section 4

| | (163) | 163 | 170 | 180 | 190 | 200 | 216 |
|---------------|-------|---------------|--------------|--------------|------------|--------|-----|
| B5R-JQ1799 | (163) | VIGASYISCTANS | WNVIPSCQQKCD | IPSLNGLISGST | FSIGGVIHLS | CKSGFT | |
| B5R-D42526 | (163) | VIGASYISCTANS | WNVIPSCQQKCD | IPSLNGLISGST | FSIGGVIHLS | CKSGFI | |
| B7R-NP_042219 | (163) | VIGASYITCTANS | WNVIPSCQQKCD | IPSLNGLISGST | FSIGGVIHLS | CKSGFI | |
| B7R-CAA49116 | (163) | VIGASYITCTANS | WNVIPSCQQKCD | IPSLNGLISGST | FSIGGVIHLS | CKSGFI | |
| B7R-G36855 | (163) | VIGASYITCTANS | WNVIPSCQQKCD | IPSLNGLISGST | FSIGGVIHLS | CKSGFI | |
| B7R-2015436GX | (163) | VIGASYITCTANS | WNVIPSCQQKCD | IPSLNGLISGST | FSIGGVIHLS | CKSGFI | |
| Consensus | (163) | VIGASYITCTANS | WNVIPSCQQKCD | IPSLNGLISGST | FSIGGVIHLS | CKSGFI | |

Section 5

| | (217) | 217 | 230 | 240 | 250 | 260 | 270 |
|---------------|-------|--------------|--------------|-------------|---------|--------|---------|
| B5R-JQ1799 | (217) | LTGSPSSTCIDG | KWNPVLPICVRT | NEEFDPVDDGP | DDDETDL | SKLSKD | VVQYEQE |
| B5R-D42526 | (217) | LTGSPSSTCIDG | KWNPVLPICVRT | NEEFDPVDDGP | DDDETDL | SKLSKD | VVQYEQE |
| B7R-NP_042219 | (217) | LTGSPSSTCIDG | KWNPVLPICIRS | NEEFDPVEDGP | DDDETDL | SKLSKD | VVQYEQE |
| B7R-CAA49116 | (217) | LTGSPSSTCIDG | KWNPVLPICIRS | NEEFDPVEDGP | DDDETDL | SKLSKD | VVQYEQE |
| B7R-G36855 | (217) | LTGSPSSTCIDG | KWNPVLPICIRS | NEEFDPVEDGP | DDDETDL | SKLSKD | VVQYEQE |
| B7R-2015436GX | (217) | LTGSPSSTCIDG | KWNPVLPICIRS | NEEFDPVEDGP | DDDETDL | SKLSKD | VVQYEQE |
| Consensus | (217) | LTGSPSSTCIDG | KWNPVLPICIRS | NEEFDPVEDGP | DDDETDL | SKLSKD | VVQYEQE |

FIGURE 7



| | (271) 271 | 280 | 290 | 300 | 317 |
|---------------------|-------------|---------------------------------------|-----|-----|-----|
| B5R-JQ1799 (271) | IESLEATYHII | IIVALTIMGVIFLISVIVLVCSCDKNNDQYKFHKLLP | | | |
| B5R-D42526 (271) | IESLEATYHII | IIVALTIMGVIFLISVIVLVCSCDKNNDQYKFHKLLP | | | |
| B7R-NP_042219 (271) | IESLEATYHII | IIVALTIMGVIFLISVIVLVCSCNKNNDQYKFHKLLL | | | |
| B7R-CAA49116 (271) | IESLEATYHII | IIVALTIMGVIFLISVIVLVCSCNKNNDQYKFHKLLL | | | |
| B7R-G36855 (271) | IESLEATYHII | IIVALTIMGVIFLISVIVLVCSCNKNNDQYKFHKLLL | | | |
| B7R-2015436GX (271) | IESLEATYHII | IIVALTIMGVIFLISVIVLVCSCNKNNDQYKFHKLLL | | | |
| Consensus (271) | IESLEATYHII | IIVALTIMGVIFLISVIVLVCSCNKNNDQYKFHKLLL | | | |

FIGURE 7 CONTINUED



H5R-I5Ralign

| | | | | | | | Section 1 |
|--------------|-------|--|-----|-----|-----|-----|-----------|
| | (1) | 1 | 10 | 20 | 30 | 40 | 55 |
| H5R-P07242 | (1) | MAWSITNKADTSSFTKMAEIRAH LKNSAENKDKNEDIFPEDV IIPSTKPKTKRAT | | | | | |
| H5R-E42514 | (1) | MAWSITNKADTSSFTKMAEIRAH LKNSAENKDKNEDIFPEDV IIPSTKPKTKRAT | | | | | |
| I5R-P33062 | (1) | MAWSITNKADTSSFTKMAEIRAH LRNSAENKDKNDDIFPEDV IIPSTKPKTKRAT | | | | | |
| I5R-AAA60836 | (1) | MAWSITNKADTSSFTKMAEIRAH LRNSAENKDKNDDIFPEDV IIPSTKPKTKRAT | | | | | |
| Consensus | (1) | MAWSITNKADTSSFTKMAEIRAH LKNSAENKDKNDDIFPEDV IIPSTKPKTKRAT | | | | | |
| | | | | | | | Section 2 |
| | (56) | 56 | 70 | 80 | 90 | 100 | 110 |
| H5R-P07242 | (56) | TPRKPAATKRSTKKEE-----VEEEV VIEEYHQ TTEKNSP-----SPGVSDIVESV | | | | | |
| H5R-E42514 | (56) | TPRKPAATKRSTKKEE-----VEEEV VIEEYHQ TTEKNSP-----SPGVGDIVESV | | | | | |
| I5R-P33062 | (56) | TPRKPAATKRSTKKDKKEKEEVEEEV VIEEYHQ TTEENSPPSSSPGVGNIVESV | | | | | |
| I5R-AAA60836 | (56) | TPRKPAATKRSTKKDKKEKEEV-EEEV VIEEYHQ TTEENSPPSSSPGVGDIVESV | | | | | |
| Consensus | (56) | TPRKPAATKRSTKKDKKEKEEVVEEEV VIEEYHQ TTEKNSPPSSSPGVGDIVESV | | | | | |
| | | | | | | | Section 3 |
| | (111) | 111 | 120 | 130 | 140 | 150 | 165 |
| H5R-P07242 | (102) | AAVELDDSDGDD-----EPMVQVEAGKVNHSARSDLSDLKVATDNIVKDLK | | | | | |
| H5R-E42514 | (102) | AAVELDDSDGDD-----EPMVQVEAGKVNHSARSDLSDLKVATDNIVKDLK | | | | | |
| I5R-P33062 | (111) | TAVELDDSGDDDDNDNDNDNDNEPMVQVEAGKVNHSARSDLSDLKVATDNIVKDLK | | | | | |
| I5R-AAA60836 | (110) | TAVELDDSGDDDDNDNDNDNDNEPMVQVEAGKVNHSARSDLSDLKVATDNIVKDLK | | | | | |
| Consensus | (111) | TAVELDDSGDDDDNDNDNDNDNEPMVQVEAGKVNHSARSDLSDLKVATDNIVKDLK | | | | | |
| | | | | | | | Section 4 |
| | (166) | 166 | 180 | 190 | 200 | 210 | 220 |
| H5R-P07242 | (148) | KIITRISAVSTVLEDVQAAGISRQFTSMTKAITT LSDLVTEGSKSVVRKKVKTK | | | | | |
| H5R-E42514 | (148) | KIITRISAVSTVLEDVQAAGISRQFTSMTKAITT LSDLVTEGSKSVVRKKVKTK | | | | | |
| I5R-P33062 | (166) | KIITRISAVSTVLEDVQAAGISRQFTSMTKSIT T LSDLVTEGSKSVVRKKVKTK | | | | | |
| I5R-AAA60836 | (165) | KIITRISAVSTVLEDVQAAGISRQFTSMTKSIT T LSDLVTEGSKSVVRKKVKTK | | | | | |
| Consensus | (166) | KIITRISAVSTVLEDVQAAGISRQFTSMTKAITT LSDLVTEGSKSVVRKKVKTK | | | | | |
| | | | | | | | Section 5 |
| | (221) | 221 | | | | | |
| H5R-P07242 | (203) | K | | | | | |
| H5R-E42514 | (203) | K | | | | | |
| I5R-P33062 | (221) | K | | | | | |
| I5R-AAA60836 | (220) | K | | | | | |
| Consensus | (221) | K | | | | | |

FIGURE 8



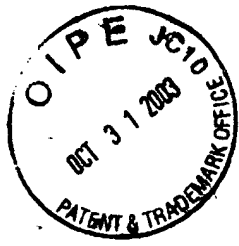


Figure 9

